Market Model	Giant EnergyPak Smart 400, integrated
	Model Number
Base Model	244M36400I-04V(BJ-A3A0112AA)
series Model	244M36400I-04V(BJ-A3A0113AA)
series Model	
series Model	
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	10.56 Ah	charge:41.8V-4A 300mA cut at 20℃ discharge:2.11A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	387.4 W	Nominal current x Nominal voltage
	and power fade (in %)	34%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.19 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	34%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 300mA cut at 20℃ discharge:2.11A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 300mA cut at 25℃ discharge:10.76A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak Smart 400, integrated
	Base Model	244M36400I-04V(BJ-A3A0112AA)
Model	series Model	244M36400I-04V(BJ-A3A0113AA)
Number	series Model	
	series Model	
	series Model	
Battery category		Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	10.56 Ah
	and capacity fade (in %)	30%
2	Power (in W)	387.4 W
	and power fade (in %)	34%
3	Internal resistance (in Ω)	0.19 Ω
	and resistance increase (in %)	34%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
·X:	years.	

[%]This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak Smart 500, integrated

	Model Number
Base Model	244M36500I-12V(BJ-A3A0104AA)
series Model	244M36500I-12V(BJ-A3A0103AA)
series Model	
series Model	
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	12.92 Ah	charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	472.3 W	Nominal current x Nominal voltage
	and power fade (in %)	12%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.17 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	12%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 300mA cut at 25℃ discharge:13.12A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak Smart 500, integrated
	Base Model	244M36500I-12V(BJ-A3A0104AA)
Model	series Model	244M36500I-12V(BJ-A3A0103AA)
Number	series Model	
	series Model	
	series Model	
Battery category		Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	12.92 Ah
	and capacity fade (in %)	30%
2	Power (in W)	472.3 W
	and power fade (in %)	12%
3	Internal resistance (in Ω)	0.17 Ω
	and resistance increase (in %)	12%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has	
۷٠/	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
·×:	years.	

[%]This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Glant EnergyPak Smart 625, integrated
	Model Number
Base Model	244M36625I-04V(BJ-A3A0097AA)
series Model	244M36625I-04V(BJ-A3A0105AA)
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

series Model series Model

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	16.15 Ah	charge:41.8V-4A 375mA cut at 20℃ discharge:3.28A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	590.4 W	Nominal current x Nominal voltage
	and power fade (in %)	10%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.15 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	10%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 375mA cut at 20℃ discharge:3.28A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 375mA cut at 25℃ discharge:16.4A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak Smart 625, integrated
Model	Base Model	244M36625I-04V(BJ-A3A0097AA)
	series Model	244M36625I-04V(BJ-A3A0105AA)
Number	series Model	
	series Model	
	series Model	
Battery category		Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	16.15 Ah
	and capacity fade (in %)	30%
2	Power (in W)	590.4 W
	and power fade (in %)	10%
3	Internal resistance (in Ω)	0.15 Ω
	and resistance increase (in %)	10%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has	
۷٠/	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
·×:	years.	

[%]This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak Smart 625, integrated
	Model Number
Base Model	244M36625I-05V(BJ-A3A0097AA)
series Model	244M36625I-05V(BJ-A3A0105AA)
series Model	
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

series Model

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	16.15 Ah	charge:41.8V-4A 375mA cut at 20℃ discharge:3.28A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	590.4 W	Nominal current x Nominal voltage
	and power fade (in %)	10%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.15 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	10%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 375mA cut at 20℃ discharge:3.28A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 375mA cut at 25℃ discharge:16.4A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak Smart 625, integrated
	Base Model	244M36625I-05V(BJ-A3A0097AA)
Model	series Model	244M36625I-05V(BJ-A3A0105AA)
Number	series Model	
	series Model	
	series Model	
Battery category		Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	16.15 Ah
	and capacity fade (in %)	30%
2	Power (in W)	590.4 W
	and power fade (in %)	10%
3	Internal resistance (in Ω)	0.15 Ω
	and resistance increase (in %)	10%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has	
\ \./	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
<u>:</u> :::	years.	

[%]This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak Smart 750, integrated

	Model Number
Base Model	244M36750I-02V(BJ-ALA0005AA)
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	19.4 Ah	charge:42V-4.8A 300mA cut at 20℃ discharge:3.96A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	712.8 W	Nominal current x Nominal voltage
	and power fade (in %)	9%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.14 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	9%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:42V-4.8A 300mA cut at 20℃ discharge:3.96A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:42V-4.8A 300mA cut at 25℃ discharge:19.8A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak Smart 750, integrated
	Base Model	244M36750I-02V(BJ-ALA0005AA)
Model	series Model	
Number	series Model	
	series Model	
	series Model	
Battery category		Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	19.4 Ah
	and capacity fade (in %)	30%
2	Power (in W)	712.8 W
	and power fade (in %)	9%
3	Internal resistance (in Ω)	0.14 Ω
	and resistance increase (in %)	9%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
ر √√	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
:X:	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately. It is not indicative of performance.

Market Model	Giant EnergyPak Smart 780, integrated, 48V
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	Model Number
Base Model	GPID48780-01(BJ-AND0001AA)
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	16.005 Ah	charge:54.6V-4A 300mA cut at 20℃ discharge:3.261A to 32.5V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	763.1 W	Nominal current x Nominal voltage
	and power fade (in %)	4%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.15 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	4%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:54.6V-4A 300mA cut at 20℃ discharge:3.261A to 32.5V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:54.6V-4A 300mA cut at 25℃ discharge:16.305A to 32.5V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak Smart 780, integrated, 48V
	Base Model	GPID48780-01(BJ-AND0001AA)
Model	series Model	
Number	series Model	
	series Model	
	series Model	
Battery category		Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	16.005 Ah
	and capacity fade (in %)	30%
2	Power (in W)	763.1 W
	and power fade (in %)	4%
3	Internal resistance (in Ω)	0.15 Ω
	and resistance increase (in %)	4%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has	
\ \./	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
<u>:</u> :::	years.	

[%]This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

	Market Model	Giant EnergyPak Smart 800, integrated

	Model Number
Base Model	GPID36800-01(BJ-ANA0001AA)
series Model	GPID36800-01(BJ-ANA0001BA)
series Model	
series Model	
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	21.23 Ah	charge:42V-6A 400mA cut at 20℃ discharge:4.326A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	778.7 W	Nominal current x Nominal voltage
	and power fade (in %)	3%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.13 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	3%	After 300cyc internal resistance increase
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:42V-6A 400mA cut at 20℃ discharge:4.326A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.		Cycle Condition; charge:42V-6A 400mA cut at 25℃ discharge:21.63A to 25V at 25℃

(*) IEC61960-3

Market Mod	el	Giant EnergyPak Smart 800, integrated
	Base Model	GPID36800-01(BJ-ANA0001AA)
Model	series Model	GPID36800-01(BJ-ANA0001BA)
Number	series Model	
	series Model	
	series Model	
Battery cat	egory	Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	21.23 Ah
	and capacity fade (in %)	30%
2	Power (in W)	778.7 W
	and power fade (in %)	3%
3	Internal resistance (in Ω)	0.13 Ω
	and resistance increase (in %)	3%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
\·⁄	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
·X:	years.	

[%]This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model Giant EnergyPak Smart Compact 500, integrated
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	Model Number
Base Model	GPIS36500-01(BJ-A3A0099AA)
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	12.92 Ah	charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	472.3 W	Nominal current x Nominal voltage
	and power fade (in %)	11%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.18 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	11%	After 300cyc internal resistance increase
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 300mA cut at 25℃ discharge:13.12A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak Smart Compact 500, integrated
	Base Model	GPIS36500-01(BJ-A3A0099AA)
Model	series Model	
Number	series Model	
	series Model	
	series Model	
Battery cat	egory	Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	12.92 Ah
	and capacity fade (in %)	30%
2	Power (in W)	472.3 W
	and power fade (in %)	11%
3	Internal resistance (in Ω)	0.18 Ω
	and resistance increase (in %)	11%
4 Where applicable, energy round trip efficiency and its fade (in %)		99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
"	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model Giant EnergyPak Smart 250, intube	
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	Model Number
Base Model	GPII36250-01(BJ-A3A0094AA)
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	6.48 Ah	charge:42V-2A 300mA cut at 20℃ discharge:1.316A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	236.9 W	Nominal current x Nominal voltage
	and power fade (in %)	12%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.32 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	12%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:42V-2A 330mA cut at 20℃ discharge:1.316A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:42V-2A 330mA cut at 25℃ discharge:6.58A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak Smart 250, intube
	Base Model	GPII36250-01(BJ-A3A0094AA)
Model	series Model	
Number	series Model	
	series Model	
	series Model	
Battery category		Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	6.48 Ah
	and capacity fade (in %)	30%
2	Power (in W)	236.9 W
	and power fade (in %)	12%
3	Internal resistance (in Ω)	0.32 Ω
	and resistance increase (in %)	12%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
\·⁄	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
·::	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak Smart 400, intube

	Model Number
Base Model	GPII36400-01(BJ-ANA0002AA)
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	10.56 Ah	charge:42V-5.4A 300mA cut at 20℃ discharge:2.152A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	387.4 W	Nominal current x Nominal voltage
	and power fade (in %)	4%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.2 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	4%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:42V-5.4A 300mA cut at 20℃ discharge:2.152A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:42V-5.4A 300mA cut at 25℃ discharge:10.76A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak Smart 400, intube
	Base Model	GPII36400-01(BJ-ANA0002AA)
Model	series Model	
Number	series Model	
	series Model	
	series Model	
Battery category		Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	10.56 Ah
	and capacity fade (in %)	30%
2	Power (in W)	387.4 W
	and power fade (in %)	4%
3	Internal resistance (in Ω)	0.2 Ω
	and resistance increase (in %)	4%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak Smart 500, side release
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	Model Number
Base Model	GPTT36500-01(BJ-A3A0125AA)
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	13.2 Ah	charge:42V-4A 300mA cut at 20℃
			discharge:2.68A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	482.4 W	Nominal current x Nominal voltage
	and power fade (in %)	12%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.17 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	12%	After 300cyc internal resistance increase
4	Where applicable, energy round trip		Discharge capacity/Charge capacity;
	efficiency and its fade (in %)	99.90%	charge:42V-4A 300mA cut at 20℃
			discharge:2.68A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which		Cycle Condition;
	it has been designed, in terms of cycles, except for non-cycle applications, and	300cyc/1year	charge:42V-4A 300mA cut at 25℃
	calendar years.		discharge:13.4A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak Smart 500, side release
	Base Model	GPTT36500-01(BJ-A3A0125AA)
Model	series Model	
Number	series Model	
	series Model	
	series Model	
Battery category		Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	13.2 Ah
	and capacity fade (in %)	30%
2	Power (in W)	482.4 W
	and power fade (in %)	12%
3	Internal resistance (in Ω)	0.17 Ω
	and resistance increase (in %)	12%
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
\ \ <u>\</u>	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak Smart 600, side release
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	Model Number
Base Model	GPTT36600-01(BJ-ANA0004AA)
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	16.005 Ah	charge:42V-4A 300mA cut at 20℃ discharge:3.261A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	587 W	Nominal current x Nominal voltage
	and power fade (in %)	4%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.14 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	4%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:42V-4A 300mA cut at 20°C discharge:3.261A to 25V at 20°C
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:42V-4A 300mA cut at 25℃ discharge:16.305A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak Smart 600, side release	
	Base Model	GPTT36600-01(BJ-ANA0004AA)	
Model	series Model		
Number	series Model		
	series Model		
	series Model		
Battery category		Light means of transport battery(LMT)	

		Parameter
1	Rated capacity (in Ah)	16.005 Ah
	and capacity fade (in %)	30%
2	Power (in W)	587 W
	and power fade (in %)	4%
3	Internal resistance (in Ω)	0.14 Ω
	and resistance increase (in %)	4%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
\·/	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
:X:	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak Plus 250
	Model Number
Base Model	244M36250F-03V(BJ-A3A0068AA)
series Model	
series Model	

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series Model series Model

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	6.33 Ah	charge:41.8V-2A 300mA cut at 20℃ discharge:1.286A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	231.5 W	Nominal current x Nominal voltage
	and power fade (in %)	13%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.31 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	13%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-2A 300mA cut at 20℃ discharge:1.286A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-2A 300mA cut at 25℃ discharge:6.43A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak Plus 250	
	Base Model	244M36250F-03V(BJ-A3A0068AA)	
Model	series Model		
Number	series Model		
	series Model		
	series Model		
Battery category		Light means of transport battery(LMT)	

		Parameter
1	Rated capacity (in Ah)	6.33 Ah
	and capacity fade (in %)	30%
2	Power (in W)	231.5 W
	and power fade (in %)	13%
3	Internal resistance (in Ω)	0.31 Ω
	and resistance increase (in %)	13%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
.∵	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
ж	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak 400, side release

	Model Number
Base Model	244M36400F-11V(BJ-A3A0107AA)
series Model	

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Battery category	Light means of transport battery(LMT)
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*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	10.56 Ah	charge:41.8V-4A 300mA cut at 20℃ discharge:2.11A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	387.4 W	Nominal current x Nominal voltage
	and power fade (in %)	36%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.18 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	36%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 300mA cut at 20℃ discharge:2.11A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 300mA cut at 25℃ discharge:10.76A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak 400, side release	
	Base Model	244M36400F-11V(BJ-A3A0107AA)	
Model	series Model		
Number	series Model		
	series Model		
	series Model		
Battery category		Light means of transport battery(LMT)	

		Parameter
1	Rated capacity (in Ah)	10.56 Ah
	and capacity fade (in %)	30%
2	Power (in W)	387.4 W
	and power fade (in %)	36%
3	Internal resistance (in Ω)	0.18 Ω
	and resistance increase (in %)	36%
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
\ \ <u>\</u>	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak 500, side release	
	Model Number	

Model Number		
Base Model	244M36500F-15V(BJ-A3A0066AA)	
series Model		

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	12.92 Ah	charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	472.3 W	Nominal current x Nominal voltage
	and power fade (in %)	12%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.15 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	12%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 300mA cut at 25℃ discharge:13.12A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak 500, side release	
	Base Model	244M36500F-15V(BJ-A3A0066AA)	
Model	series Model		
Number	series Model		
	series Model		
	series Model		
Battery category		Light means of transport battery(LMT)	

		Parameter
1	Rated capacity (in Ah)	12.92 Ah
	and capacity fade (in %)	30%
2	Power (in W)	472.3 W
	and power fade (in %)	12%
3	Internal resistance (in Ω)	0.15 Ω
	and resistance increase (in %)	12%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
\·⁄	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
·::	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak 300, carrier

	Model Number
Base Model	GPCA36300-01(BJ-A1A0112AA)
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	8.2 Ah	charge:41.8V-4A 300mA cut at 20℃ discharge:1.68A to 27.5V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	302.4 W	Nominal current x Nominal voltage
	and power fade (in %)	13%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.21 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	13%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 300mA cut at 20℃ discharge:1.68A to 27.5V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 300mA cut at 25℃ discharge:8.4A to 27.5V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak 300, carrier	
Model	Base Model	GPCA36300-01(BJ-A1A0112AA)	
	series Model		
Number	series Model		
	series Model		
	series Model		
Battery category		Light means of transport battery(LMT)	

		Parameter
1	Rated capacity (in Ah)	8.2 Ah
	and capacity fade (in %)	30%
2	Power (in W)	302.4 W
	and power fade (in %)	13%
3	Internal resistance (in Ω)	0.21 Ω
	and resistance increase (in %)	13%
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
\ \ <u>\</u>	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
	years.	

[%]This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak 400, carrier

	Model Number
Base Model	GPCA36400-01(BJ-A3A0111AA)
series Model	

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Battery category	Light means of transport battery(LMT)
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*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	10.56 Ah	charge:41.8V-4A 300mA cut at 20℃ discharge:2.11A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	387.4 W	Nominal current x Nominal voltage
	and power fade (in %)	36%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.18 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	36%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 300mA cut at 20℃ discharge:2.11A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 300mA cut at 25℃ discharge:10.76A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak 400, carrier
	Base Model	GPCA36400-01(BJ-A3A0111AA)
Model	series Model	
Number	series Model	
	series Model	
	series Model	
Battery category		Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	10.56 Ah
	and capacity fade (in %)	30%
2	Power (in W)	387.4 W
	and power fade (in %)	36%
3	Internal resistance (in Ω)	0.18 Ω
	and resistance increase (in %)	36%
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak 500, carrier

	Model Number
Base Model	GPCA36500-01(BJ-A3A0083AA)
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B	
1	Rated capacity (in Ah)	12.92 Ah	charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃	
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)	
2	Power (in W)	472.3 W	Nominal current x Nominal voltage	
	and power fade (in %)	12%	Internal resistance increase (in %) = Power fade (in %)	
3	Internal resistance (in Ω)	0.17 Ω	0.5C-10sec at SOC50%	
	and resistance increase (in %)	12%	After 300cyc internal resistance increase	
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃	
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 300mA cut at 25℃ discharge:13.12A to 25V at 25℃	

(*) IEC61960-3

Market Model		Giant EnergyPak 500, carrier
	Base Model	GPCA36500-01(BJ-A3A0083AA)
Model	series Model	
Number	series Model	
	series Model	
	series Model	
Battery category		Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	12.92 Ah
	and capacity fade (in %)	30%
2	Power (in W)	472.3 W
	and power fade (in %)	12%
3	Internal resistance (in Ω)	0.17 Ω
	and resistance increase (in %)	12%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
\·⁄	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
·::	years.	

[%]This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak Plus 200

	Model Number
Base Model	GPWB36200-01(BJ-ANA0003AA)
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	5.26 Ah	charge:42V-2.68A 300mA cut at 20° C discharge:1.072A to 25V at 20° C
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	193 W	Nominal current x Nominal voltage
	and power fade (in %)	5%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.35 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	5%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:42V-2.68A 300mA cut at 20℃ discharge:1.072A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:42V-2.68A 300mA cut at 25℃ discharge:5.36A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak Plus 200
	Base Model	GPWB36200-01(BJ-ANA0003AA)
Model	series Model	
Number ser	series Model	
	series Model	
	series Model	
Battery cat	egory	Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	5.26 Ah
	and capacity fade (in %)	30%
2	Power (in W)	193 W
	and power fade (in %)	5%
3	Internal resistance (in Ω)	0.35 Ω
	and resistance increase (in %)	5%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has	
\·/	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
·×:	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak 250, side release	
	Model Number	
Base Model	244M36250F-04V(BJ-A3A0106AA)	

	Model Number	
Base Model	244M36250F-04V(BJ-A3A0106AA)	
series Model		

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Battery category	Light means of transport battery(LMT)
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*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	6.33 Ah	charge:41.8V-2A 300mA cut at 20℃ discharge:1.286A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	231.5 W	Nominal current x Nominal voltage
	and power fade (in %)	13%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.31 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	13%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-2A 300mA cut at 20℃ discharge:1.286A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-2A 300mA cut at 25℃ discharge:6.43A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak 250, side release
	Base Model	244M36250F-04V(BJ-A3A0106AA)
Model	series Model	
Number series	series Model	
	series Model	
	series Model	
Battery cat	egory	Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	6.33 Ah
	and capacity fade (in %)	30%
2	Power (in W)	231.5 W
	and power fade (in %)	13%
3	Internal resistance (in Ω)	0.31 Ω
	and resistance increase (in %)	13%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
.∵	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
ж	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak Smart Compact 500, Sub
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	Model Number
Base Model	GPIS36500-01(BJ-A3A0101AA)
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	12.92 Ah	charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	472.3 W	Nominal current x Nominal voltage
	and power fade (in %)	fade (in %) 11%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.18 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	11%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 300mA cut at 25℃ discharge:13.12A to 25V at 25℃

(*) IEC61960-3

Market Mod	el	Giant EnergyPak Smart Compact 500, Sub	
	Base Model	GPIS36500-01(BJ-A3A0101AA)	
Model	series Model		
Number series Model	series Model		
	series Model		
	series Model		
Battery category Light means of transport battery(LMT)		Light means of transport battery(LMT)	

		Parameter
1	Rated capacity (in Ah)	12.92 Ah
	and capacity fade (in %)	30%
2	Power (in W)	472.3 W
	and power fade (in %)	11%
3	Internal resistance (in Ω)	0.18 Ω
	and resistance increase (in %)	11%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
\·⁄	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
ж	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak 500, top pull

	Model Number
Base Model	244M36500F-08(BJ-A3A0043AA)
series Model	

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Battery category	Light means of transport battery(LMT)

*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	12.92 Ah	charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	472.3 W	Nominal current x Nominal voltage
	and power fade (in %)	12%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.17 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	12%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 300mA cut at 25℃ discharge:13.12A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak 500, top pull	
	Base Model	244M36500F-08(BJ-A3A0043AA)	
Model	series Model		
Number se	series Model		
	series Model		
	series Model		
Battery category		Light means of transport battery(LMT)	

		Parameter
1	Rated capacity (in Ah)	12.92 Ah
	and capacity fade (in %)	30%
2	Power (in W)	472.3 W
	and power fade (in %)	12%
3	Internal resistance (in Ω)	0.17 Ω
	and resistance increase (in %)	12%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
\ \v:	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
:X:	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately. It is not indicative of performance.

series Model		
Base Model	244M36500F-09(BJ-A3A0045AA)	
	Model Number	
Market Model	Giant EnergyPak 500, top pull	

	Model Number
Base Model 244M36500F-09(BJ-A3A0045AA)	
series Model	

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Battery category	Light means of transport battery(LMT)
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*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	12.92 Ah	charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	472.3 W	Nominal current x Nominal voltage
	and power fade (in %)	12%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.17 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	12%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 300mA cut at 20℃ discharge:2.62A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 300mA cut at 25℃ discharge:13.12A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak 500, top pull
	Base Model	244M36500F-09(BJ-A3A0045AA)
Model	series Model	
Number	series Model	
	series Model	
	series Model	
Battery cat	egory	Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	12.92 Ah
	and capacity fade (in %)	30%
2	Power (in W)	472.3 W
	and power fade (in %)	12%
3	Internal resistance (in Ω)	0.17 Ω
	and resistance increase (in %)	12%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
\·⁄	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
ж	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.

Market Model	Giant EnergyPak 400, top pull	
	Model Number	
Base Model	244M36400F-08(BJ-A3A0051AA)	
series Model		
series Model		
series Model		

REGULATION(EU)2023/1542

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Battery category	Light means of transport battery(LMT)

*Annex IV:

series Model

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B
1	Rated capacity (in Ah)	10.56 Ah	charge:41.8V-4A 300mA cut at 20℃ discharge:2.11A to 25V at 20℃
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)
2	Power (in W)	387.4 W	Nominal current x Nominal voltage
	and power fade (in %)	36%	Internal resistance increase (in %) = Power fade (in %)
3	Internal resistance (in Ω)	0.18 Ω	0.5C-10sec at SOC50%
	and resistance increase (in %)	36%	After 300cyc internal resistance increase
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 300mA cut at 20℃ discharge:2.11A to 25V at 20℃
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	300cyc/1year	Cycle Condition; charge:41.8V-4A 300mA cut at 25℃ discharge:10.76A to 25V at 25℃

(*) IEC61960-3

Market Model		Giant EnergyPak 400, top pull
	Base Model	244M36400F-08(BJ-A3A0051AA)
Model	series Model	
Number s	series Model	
	series Model	
	series Model	
Battery cate	egory	Light means of transport battery(LMT)

		Parameter
1	Rated capacity (in Ah)	10.56 Ah
	and capacity fade (in %)	30%
2	Power (in W)	387.4 W
	and power fade (in %)	36%
3	Internal resistance (in Ω)	0.18 Ω
	and resistance increase (in %)	36%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	
3	been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
<u> </u>	years.	

^{**}This value is the expected value in which specialists are able to reuse adequately. It is not indicative of performance.

Market Model	Giant EnergyPak 400, top pull

	Model Number
Base Model	244M36400F-09(BJ-A3A0052AA)
series Model	

REGULATION(EU)2023/1542

Battery category	Light means of transport battery(LMT)
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*Annex IV:

- 1) Part A: Parameters related to electrochemical performance and durability.
- 2) Part B: Elements for explanation of the measurements made for parameters listed in Part A.

		1) Part A	2) Part B	
1	Rated capacity (in Ah)	10.56 Ah	charge:41.8V-4A 300mA cut at 20℃ discharge:2.11A to 25V at 20℃	
	and capacity fade (in %)	30%	After 300cyc capacity fade (70% recovery capacity)	
2	Power (in W)	387.4 W	Nominal current x Nominal voltage	
	and power fade (in %)	36%	Internal resistance increase (in %) = Power fade (in %)	
3	Internal resistance (in Ω)	0.18 Ω	0.5C-10sec at SOC50%	
	and resistance increase (in %)	36%	After 300cyc internal resistance increase	
4	Where applicable, energy round trip efficiency and its fade (in %)	99.90%	Discharge capacity/Charge capacity; charge:41.8V-4A 300mA cut at 20℃ discharge:2.11A to 25V at 20℃	
5	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar years.	ference conditions for which designed, in terms of cycles, on-cycle applications, and on-cycle applications, and on-cycle applications for which are also according to the condition of the cycle applications for which are also according to the cycle applications for which are also according to the cycle applications for which are also according to the cycle applications for which are also according to the cycle applications for which are also according to the cycle applications for which are also according to the cycle applications for which are also according to the cycle applications for which are also according to the cycle applications for which are also according to the cycle applications for the cycle applica		

(*) IEC61960-3

Market Model		Giant EnergyPak 400, top pull	
Model Number	Base Model	244M36400F-09(BJ-A3A0052AA)	
	series Model		
Battery category		Light means of transport battery(LMT)	

		Parameter
1	Rated capacity (in Ah)	10.56 Ah
	and capacity fade (in %)	30%
2	Power (in W)	387.4 W
	and power fade (in %)	36%
3	Internal resistance (in Ω)	0.18 Ω
	and resistance increase (in %)	36%
	Where applicable, energy round trip efficiency and its fade (in %)	99.90%
5	The expected lifetime of the battery under the reference conditions for which it has	
٧٠/	The expected lifetime of the battery under the reference conditions for which it has been designed, in terms of cycles, except for non-cycle applications, and calendar	300cyc/1year
·X:	years.	

[%]This value is the expected value in which specialists are able to reuse adequately.

It is not indicative of performance.