

wattalps®

Battery Module


with WATTALPS' patented immersion cooling





Width	200 mm
Length	335 mm
Height	90 mm

General characteristics	Data
Module voltage (battery pack voltage)	48V (48V to 800V)
Voltage and temperature monitoring	Yes
Protection rating	IP67 / IP69K / IPXXB
Battery operating temperature	- 20°C + 60°C
Module position	All X, Y, Z orientation are possible
Max module number per Master BMS	128
Standards*	R100 rev3 / R10 / ISO26262 / IEC62619 / UN38.3
Integrated coolant circulation	Yes, with heating and cooling as option
Integrated cell venting circuit	Yes
Casing	Aluminum
Recycling and second life	Yes

* Consult us

HIGH ENERGY	Module characteristics	Performances										
		<table border="1"> <tr> <td>Total energy (C/10)</td> <td>1 750 Wh</td> </tr> <tr> <td>Cycle life (@25°C / SLOW charging, SOH 80%)</td> <td>2 000 cycles</td> </tr> <tr> <td>Cycle life (@25°C / FAST charging, SOH 80%)</td> <td>400 cycles</td> </tr> <tr> <td>Discharging power @25°C (cont. / peak 2s)</td> <td>4 / 6,7 kW</td> </tr> <tr> <td>Charging power @25°C (normal / fast)</td> <td>0,5 / 1 kW</td> </tr> </table>	Total energy (C/10)	1 750 Wh	Cycle life (@25°C / SLOW charging, SOH 80%)	2 000 cycles	Cycle life (@25°C / FAST charging, SOH 80%)	400 cycles	Discharging power @25°C (cont. / peak 2s)	4 / 6,7 kW	Charging power @25°C (normal / fast)	0,5 / 1 kW
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LONG LIFE	Module characteristics	Performances										
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POWER	Module characteristics	Performances								
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