



ENERGY PAK “EP48100” 5.1KWH 48V LFP COLD-CLIMATE BATTERY

supports all types of 48V inverters

- Compact size
- Built-in heater for all-season use
- Safest CATL LFP cells
- High efficiency
- Easy installation
- 100A high current charging/discharging
- High energy density

DATASHEET		Energy Pak EP48100
BATTERY DATA		
Nominal Voltage	51.2V	
Nominal Energy	5.1 kWh	
Discharge Voltage	46~56V	
Charge Voltage	46~56V	
Continuous Charge Current	100A	
Max. Charge Current	100A	
Continuous Discharge Current	100A	
Continuous Discharge DC Power	5.0kW	
Stacked Discharge DC Power	5kW = 1 unit/ 10kW = 2 units/ 15kW = 3 units/ etc.	
Operating Temperature*	0°C ~ 45°C (Charge) -20°C ~ 55°C (Discharge)	
GENERAL DATA		
Scalability	Stack up to 16 units in parallel (unit # via 4 dip switch settings)	
DOD	90%	
Communications	CAN2.0 / RS485 / RS232	
DC cable connections	1/0 AWG battery cables with bolt/lug terminations included	
Cycle Life	>6000 cycles	
IP Grade	IP21	
Installation	Wall or Floor mount	
Dimension	535 x 465 x 205mm	
Weight	55kg	
Warranty	3 Years	
Hazardous air shipping rating	UN38.3	

* With internal heating option and proper insulated battery box, charging and discharging can accommodate ambient temperatures down to -20°C