



# 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
<b>BATTERY DATA</b>		
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)
<b>GENERAL DATA</b>		
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