

51.2V

Low-voltage LiFePO4 Battery

FLB Series

Features



Remote Monitoring
via FSolar APP



IP65-rated
Protection



Peace of Mind
with Fire
Protection Module



Max.32
Units in Parallel



CCS Technology
for More Stable
Performance



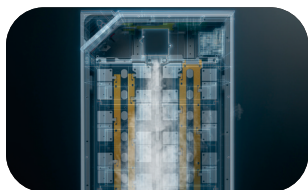
Optional heating module
for restoring battery to its
working temp
(FLB48280TG1-H model)



FLB48280TG1/FLB48280TG1-H

Model	FLB48280TG1		FLB48280TG1-H
Battery Type	LiFePO4		
Nominal Energy	14.3kWh		
Nominal Voltage	51.2V		
Operating Voltage	44.8-57.6V		
Max. Charge/Discharge Current[1]	Charge 150A Discharge 150A		
Peak Charge/Discharge Current(15s)	300A @ 15s		
Max. Charge/Discharge Power	Charge 7680W Discharge 7680W		
Depth of Discharge(DOD)	95%		
Scalability	Up to 32 units in parallel		
Communication	CAN2.0/RS485/WIFI/Bluetooth		
Protection Level	IP65		
Cycle Life	≥8000@ 25°C		
Operating Temperature	Charge: 0~55°C / Discharge: -20~55 °C	Charge: -20~55°C / Discharge: -20~55 °C	
Display	LED		
Installation	Floor-Mounted		
Protection	BMS, Fuse, Breaker, MX+OF		
Warranty[2]	10 Years		
Net Weight	118Kg		
Gross Weight	140.5Kg		
Product Dimension	450×895×235MM		
Package Dimension	958×548×440MM		
[1] The current is affected by temperature and SOC.			
[2] Refer to Felicitysolar's Warranty Policy for applicable conditions.			

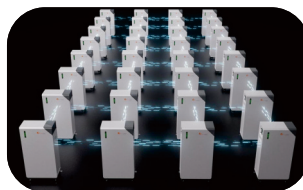
Product Display



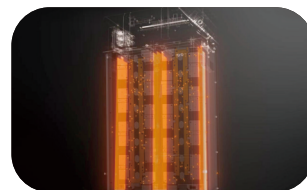
Aerosol Fire Extinguishing System



IP65 Protection Level



Scalable expansion up to 32 pcs in parallel



Optional Thermal Module (FLB48280TG1-H)