

Low Voltage Battery

UP5000D



Quick & Easy Installation

- Minimal wiring, no complex configuration



Safe and Reliable

- Low-voltage architecture operates at a lower risk level



Ideal for Backup & Off-Grid Systems

- Designed for backup power, off-grid systems, and microgrid projects



Cost-Effective Solution

- Lower upfront investment with reduced long-term maintenance costs



UP5000D



Model

UP5000D

Nominal Voltage (VDC)	48
Nominal Capacity (kWh)	4.8
Usable Capacity(kWh)	4.56
Depth of Discharge	0.95
Dimension (W*D*H mm)	442*420*161
Weight (kg)	39.7
Charge / Discharge Current (Normal) (A)*	100
Charge / Discharge Current (Max) (A)*	105~119@ 15 min
Charge / Discharge Current (Peak) (A)	120~200@ 15 seconds
Short Current/Duration Time (A / 1ms)	<2000
Communication Port	RS485/CAN
Configuration (maximum quantity in one battery group)*	16
Working Temperature (°C) Charge	0~50
Working Temperature (°C) Discharge	-10~50
Storage Temperature (°C)	-20~45
Protective Class	I
IP Rating	IP20
Humidity (% RH, No Condensation)	5%-95% No Condensation
Altitude (m)	≤4000
Design Life (@25°C)	15 Years
Cycle Life (@25°C)**	8,000+
Certification	IEC62619/IEC63056/UL1973/UL9540A/IEC61000-6-2/IEC61000-6-3/UN38.3

*The recommended and maximum continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temperature range will cause a derating on operation current.

** Cycle Life is defined based on specific operation conditions, for more details please check with Pylontech service team.