

# ADVANCED BATTERY STORAGE

Darfon's Advanced Battery Storage is designed to compliment its hybrid inverter, but it can also be used in other energy storage solutions. The battery is comprised of lithium-ion cells with an integrated communication interface for increased reliability, performance and efficiency. This battery storage can be used in on-grid and off-grid applications to create an uninterrupted power supply or utility support for PV.



## SPECIFICATIONS

Battery Chemistry	Lithium-ion
Nominal Voltage	51.1V
Nominal Capacity	95.4Ah
Charge Voltage	57.4V
Discharge Voltage	42V
Charge Current (Max.)	0.5C
Discharge Current (Max.)	0.5C
Charge Operating Temperature	0 to 45°C
Discharge Operating Temperature	-20 to 45°C
Enclosure Rating	IP20
Communication Port	RS485 / RS232
Depth of Discharge (DOD)	80%
Cycle Life	>2000 at 25°C
Dimensions	24.0 x 25.6 x 5.8 in (610 x 650 x 148 mm)
Weight	88 lbs (40kg)
Protection Functions	Over Charge Detection Voltage Over Charge Release Voltage Excess Discharge Detection Voltage Excess Discharge Release Voltage Over Current Protection
Compliance	UN Transportation Certificate

### HIGH RELIABILITY & EFFICIENCY

- Lithium-ion batteries maintain a higher efficiency rate compared to lead-acid batteries

### LONG SERVICE LIFE

- More than 2000 cycles at 80% DOD

### SCALABLE

- Modular design for battery capacity expansion

### SMALLER FOOTPRINT

- Considerably smaller in size and much lighter than lead-acid batteries
- Slim profile and wall mountable

### MINIMAL MAINTENANCE

- Integrated communication interface the monitors the battery's condition