

Low-voltage stacked lithium battery

LFP Battery

51.2v 280ah 14.336kwh



Container

PRODUCT FEATURE



HIGH CYCLE LIFE

Can achieve 6000 cycles at 90% state of charge, effectively reducing total cost of ownership.



FAST CHARGING SPEED

High charge and discharge efficiency, reducing equipment downtime and saving more time.



HIGHLY ADAPTABLE

Strong environmental adaptability, can withstand up to 60°C.



SAFER

Real-time monitoring of BMS for better system protection.



EASY TO STORE

Due to its extremely low self-discharge rate (LSD) and no risk of sulfation, it can last up to 6 months.



EASY TO STORE

Lithium batteries provide more watt-hours per kilogram while weighing only one-third of their SLA equivalents.

Technical Data

BATTERY PARAMETERS	Model number		WS-280	
	Rated voltage (V)		51.2	
	Rated capacity (Ah)		280	
	Rated energy of battery (kWh)		14.34	
	Weight (kg)		121.6	
	Dimensions: Length * Width * Height (mm)		838.5*478*278	
	Recommended charging current (A)		157	
	Recommended discharge current (A)		157	
	Charging temperature (°C)		0~55	
	Discharge temperatur (°C)		-20~60	
OPERATIONAL PARAMETERS	Storage temperature (°C)		-10~40	
	Operating humidity		10%-95% 【No condensation】	
	Storage humidity		5%-95% 【No condensation】	
	Multi-module (connection)		2PC Series (Min)	16PC Series (Max)
SYSTEM PARAMETERS	Rated voltage (V)		51.2	
	Rated energy (kWh)		28.67	229.37
	Operating voltage range (V)		44.8~57.6	
	Size: Length * Width * Height (mm)		838.5*478*556	850*1500*1668
	Weight (kg)		243.2	1945.6
	Port communication		RS485、RS232、CAN	
	IP rating		IP20	
	Compatible with inverter		Growatt,Solis Goodwe,Sol-Ark,SRNE,DEYE	
	Cycle life		>6000 (0.5C@ 25°C, 90% DOD)	
	Design lifespan (years)		15	