

## SelectCell 120V-144V DC Lithium Battery System 01/05/2023

48V Lithium Iron Phosphate (LFP) batteries designed for series operation to create a DC Bus Voltage of 48V and above. Perfect for our 120V DC inverters.

Order Code	Model Name	Description	Comments	Dimensions & Weight HxWxD
005376	SELECTCELL Ultimate 280S	13.44kWh 48V Battery which is connected in series for 120V-144V DC systems using our SPLC SP PRO models. DC Connections are via Harting plug connections. Includes a short communications cable.	Up to 3 batteries can be stacked vertically or configured horizontally. Nominal DC Current 140A. Must be multiples of 3 batteries.	448 x 762 x 405mm 105kg IP30
101636	Platform Base	Steel powder coated platform placed under the first battery when there is 3 batteries stacked vertically. Adjustable feet.	Adds 1300mm to the vertical height.	130 x 762 x 405mm 15kg
005398	PCC144-300F Single	Electrical Enclosure which includes Busbars to connect Batteries and Inverters. Battery EMU inside this enclosure. 300A Max DC Current. Includes Battery string fusing.	4 x Battery Inputs up to 50mm <sup>2</sup> each with 200A fuses. 2 x Inverter Outputs up to 120mm <sup>2</sup> . Inverter Outputs include Overcurrent protection. No redundancy on this system.	800 x 800 x 300mm 75kg.
005395	PCC144-500F Single	Electrical Enclosure which includes Busbars to connect Batteries and Inverters. Battery EMU inside this enclosure. 500A Max DC Current. Includes Battery string fusing.	4 x Battery Inputs up to 50mm <sup>2</sup> each with 200A fuses. 3 x Inverter Outputs up to 120mm <sup>2</sup> . Inverter Outputs include circuit protection. No redundancy on this system.	800 x 800 x 300mm 75kg.
005389	PCC144S500F Worker	Electrical Enclosure which includes Busbars to connect Batteries and Inverters. Battery EMU inside this enclosure. A worker cabinet will feed into a Manager Cabinet. 500A Max DC Current. Includes Battery String fusing.	4 x Battery Inputs up to 50mm <sup>2</sup> each with 200A fuses. 3 x Inverter Outputs up to 120mm <sup>2</sup> . Inverter Outputs include circuit protection. Using worker cabinets provides system redundancy.	800 x 800 x 300mm 75kg.
005385	PCC144M1000 Manager	Electrical Enclosure which includes Busbars to connect Worker Cabinets and Inverters. Central Battery EMU inside this enclosure. A worker cabinet will feed into a Manager Cabinet. 1000A Max DC Current.	4 x Worker Cabinet inputs up to 185mm <sup>2</sup> . 6 x 120mm <sup>2</sup> inverter outputs. Inverter outputs include circuit protection plus door mounted Battery Isolation switch.	1200 x 800 x 300mm 120kg
005387	PCC144M1500 Manager	Electrical Enclosure which includes Busbars to connect Worker Cabinets and Inverters. Central Battery EMU inside this enclosure. A worker cabinet will feed into a Manager Cabinet. 1500A Max DC Current.	6 x Worker Cabinet inputs up to 185mm <sup>2</sup> . 9 x 120mm <sup>2</sup> inverter outputs. Inverter outputs include circuit protection. Excludes door mounted Battery Isolation switch.	1400 x 800 x 300mm 170kg

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