

PRODUCT



SOLARWATT Battery vision one backup booster

Battery vision one backup booster is a one-phase automatic switching device available as a supplementary product for installation with Inverter vision one. It enhances the one-phase backup functionality of an Inverter vision one by allowing the backup circuits to not be powered through the inverter when a mains voltage is present.

- Wall-mounted metal housing in Solarwatt vision design
- Up to max. 100 A in Mains operating mode
- Up to max. 63 A during backup operating mode
- Includes a pre-installed CHINT DDSU 666 meter inside
- Power in backup mode is limited to the inverter power of the installed Inverter vision one model.

MAINS SUPPLY (UTILITY SUPPLY)

Rated mains voltage	220/230/240 Vac; L/N/PE
Rated mains frequency	50 Hz / 60 Hz
Max. Input current (per phase)	100 A
Max. Conductor cross section	35 mm ²
Suitable mains forms	TN-C-S; TN-S; TT

GRID CONNECTION INVERTER (GRID, OPT. PV INV 2)

Fuse protection of the connection	63 A
Max. Input and output current of the inverter	63 A
Max. Conductor cross section	10 mm ²

BACKUP CONNECTION INVERTER (BACKUP)

Fuse protection of the connection	63 A
Max. output current of the inverter	45.5 A
Max. Conductor cross section	10 mm ²

Tested In accordance with EU and UK directive and regulation (CE/UKCA) according to 2014/35/EU (LVD)

BENEFITS

- Simple integration of mains backup power operation into the building installation
- Optional automatic or manual switching between mains and Backup mode possible
- Protection of the associated Inverter vision one included
- Features a port for optionally connecting a second string inverter

CONSUMER CONNECTION (LOAD)

Max. output current of the inverter	100 A
Max. Conductor cross section	35 mm ²

GENERAL DATA

Supported devices	SOLARWATT Inverter vision one Note: the DDSU 666 electricity meter is integrated in the backup booster and does not have to be installed separately
Communication	RS485 connection between meter and inverter optional: RS485 connection to Charger vision
Cooling concept	Natural convection
Installation concept	wall mounting
Switching	all-pole, automatic or manual
Switchover time	On-Grid to Off-Grid: appr. 1.5 sec Off-Grid to On-Grid: appr. 0.5 sec
Operating temperature	-25° C to 60° C
Dimensions (WxHxD)	550 x 420 x 138.5 mm
Packaging dimensions	660 x 515 x 235 mm
Weight (net)	16 kg
Weight (gross)	19.3 kg
IP rating	IP65
Protection class	I

DIMENSIONS

