



DATA SHEET NH PHOTO-VOLTAIC INSULATED CONSUMER UNITS

Catalogue Reference :- NHRCBO16BMPV

Current Rating	40A		
Operating Voltage	240Volts +10/-6%		
Short Circuit Rating	16kA		
Insulation Voltage	500Volts AC		
IP Rating	IP2X		
Consumer Unit	BSEN 60439-3		
Main Switch	BSEN 60947-3		
RCBO Rating	16A 6kA Type B Curve 30mA Trip		
Box Material	Polycarbonate		
Lid Material (excluding visor)	Polycarbonate		
Outgoing Terminal Size Neutral Bar	Maximum cable Size 16mm		
Outgoing Terminal Size Earth Bar	Maximum cable size 16mm		
Incoming Terminal Size Neutral Bar	Maximum cable size 16mm		
Incoming Terminal Size Earth Bar	Maximum cable size 16mm		
Incoming Switch Disconnecter Size	Maximum cable size 50mm		
	Height	Width	Depth
	230mm	187mm	120mm

Incoming device

- **WS402** (PV main switch)

Replacement Items

- **M867** (visor)
- **B4471** (user operating instructions)
- **L39599** (circuit identification labels)
- **L39604** (RCD wiring regulation label)
- **NHLABELPACK** (kit of All labels in CU).



DATA SHEET PHOTO-VOLTAIC METER

Catalogue Reference :- N/A

Performance Criteria

Operating Humidity	≤ 75%
Storage Humidity	≤ 95%
Operating Temperature	-10°C to +50°C
Storage Temperature	-30°C to +70°C
International Standard	EN 50470-3
Accuracy Class	1
IP Rating	IP51
Insulating Encased Meter Protective Class	II

Specifications

Dimensions

Meter Type	PRO1 Series	Height	117.5mm
Nominal Voltage	230V AC	Width	18mm
Operating Voltage	161 – 300V AC	Depth	58.5
Insulation Capabilities:		Weight	0.12Kg (net)
AC Voltage Withstand	2kV for 1 Minute	Material	
Impulse Voltage Withstand	6kV – 1.2μs waveform		
Basic Current	5A		
Maximum Rated Current (Imax)	45A	Register	PC Inflammable Plastic
Max Current for Direct Wire Connection	32A	Case	ABS Inflammable Plastic
Max Current for Busbar Connection	45A	Terminal Block	ABS Inflammable Plastic
Operational Current Range	0.4% Ib – Imax	Protective Cover	ABS Inflammable Plastic
Peak Current Withstand	30Imax for 0.01s		
Operational Frequency Range	50Hz ±10%		
Internal Power Consumption	≤ 2W / 10VA		
Test Output Flash Rate (RED LED)	1000 or 2000 imp/kWh		
Pulse Output Rate (Pins 20 & 21)	1000 or 2000 imp/kWh		
Consumption Indicator (RED LED)	Flashing at Load Running		