

# NetSure™ 4000 Series

## 400V DC Load Distribution Sub-Rack

PRELIMINARY

### Key Features

- Available with up to (9) DIN mount load circuit breakers
- Circuit breaker ratings from 4A - 63A each
- 100A maximum rating
- Available with or without main row breaker
- 6U high, 19" mounting
- CE Marking (EN 60950) (pending)
- UL 60950 recognized when configured with main row breaker (pending)

*Provides reliable 400V DC power supply to customer loads and critical power applications.*

### Description

The DC Load Distribution Sub-Rack provides 400V DC power to customer loads, with nine available circuit breaker positions. An optional primary-rated row breaker is required for UL applications. These distribution sub-racks are connected directly to a 400V DC NetSure™ 4015 Power and Control Sub-Rack, feeding either individual loads or secondary power strips. For easy field wiring, breakers are accessible from the front. Terminal blocks and blank covers are provided for unused breaker spaces, enabling easy addition of breakers in the field.

Two versions of the distribution sub-rack are available depending on the system grounding configuration: high resistance mid-point ground (HRMG) or negative pole ground (NPG).

All distribution sub-racks take up only 6U of rack space and fit into a standard 19" rack.

### Additional Information

Additional specification, engineering and installation information may be obtained by requesting SAG584000300 for the NetSure™ 4015 400V DC Power System.



*Distribution Sub-Rack Shown with Main Row Breaker*

## Technical Specifications

Rating	
Maximum Operating Voltage	400V DC
Maximum Operating Current	100A
Configuration	
Grounding	Std: High resistance mid-point grounding (HRMG) Opt: Negative-pole ground (NPG) available
Primary Row-Breaker (optional)	125A row breaker, required for UL applications, optional for others
Load Breakers	(9) positions from 4-63A each; choice of: 4A, 6A, 8A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A DIN rail mount
Environmental	
Operating Temperature	Range: -5° to +45° C; Full rating: 10° to +35° C
Storage Temperature	-40° to +70° C
Relative Humidity	0-95% non condensing
RoHS	RoHS 5 compliant
Mechanical	
Hardware Interface	Input cable from power and control sub-rack Circuit breaker terminals for load connection
Dimensions (H x W x D)	6U x 19" x 12.5" (6U x 483 x 318 mm)
Weight with Row Breaker	35 lbs (16kg), with (9) breakers
Weight without Row Breaker	30 lbs (13.5kg), with (9) breakers
Cabling Details	Rear input and output cable wiring; front access output breaker termination
Safety	
Safety Agencies	CE marking per low voltage directive (EN 60950) and the EMC directive UL recognized per UL 60950 (cUR for Canada) when configured with main row breaker (pending)

**Note:** Specifications subject to change without notice.

## Ordering Information

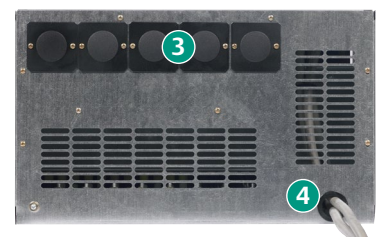
Part Number	Description
584000300	NetSure™ 4015, 30kW 400V DC power system
58400030021	Distribution sub-rack with row breaker - HRMG
58400030023	Distribution sub-rack without row breaker - HRMG
58400030022	Distribution sub-rack with row breaker - NPG
58400030024	Distribution sub-rack without row breaker - NPG

**Note:** HRMG = High Resistance Mid-point Ground and NPG = Negative Pole Ground.

## Standard System Overview



Distribution Sub Rack – Front View



Distribution Sub Rack – Rear View

- 1 Main row input breaker (optional, required in UL applications)**
- 2 Up to nine DIN rail mounted circuit breakers (4-63A each)**
- 3 Output conduit or cable landing**
- 4 Input cables from power/control sub-rack**

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