Series C / B 2600

Features

- DC input: 18 - 380 V
- AC input: 115 / 230 V, 47 - 400 Hz
- DC output: 5 / ... / 250 V
- Continuous short circuit protection
- Overvoltage protection with auto restart
- Industrial grade components
- Compact and robust design

DC / DC Converters

DC in — DC out

► 650 W	► 800 W								
Input VDC								Output VDC	
18–36 VDC	Output Amps	36–75 VDC	45–90 VDC	80–160 VDC	160–320 VDC	320–380 [1] VDC	Output Amps	Adj.	Range
C 2620	85 [2]	C 2630	C 2640	C 2650	C 2670	C 2680 Z	100 [2]	5	4.5– 5.5
C 2621	65	C 2631	C 2641	C 2651	C 2671	C 2681 Z	75	9	8– 10
C 2622	50	C 2632	C 2642	C 2652	C 2672	C 2682 Z	60	12	11– 13
C 2623	42	C 2633	C 2643	C 2653	C 2673	C 2683 Z	50	15	14– 16
C 2624	25	C 2634	C 2644	C 2654	C 2674	C 2684 Z	30	24	23– 26
C 2625	22	C 2635	C 2645	C 2655	C 2675	C 2685 Z	27	28	26– 30
C 2629	12	C 2639	C 2649	C 2659	C 2679	C 2689 Z	15	48	45– 55
C 2626	10	C 2636	C 2646	C 2656	C 2676	C 2686 Z	12	60	58– 68
C 2627	5	C 2637	C 2647	C 2657	C 2677	C 2687 Z	6.5	110	100– 130
C 2628	2.5	C 2638	C 2648	C 2658	C 2678	C 2688 Z	3.2	220	200– 250

AC / DC Converters

AC in — DC out

► 800 W					
Input VAC, 1-Phase				Output VDC	
115 ±20%	$230^{+15\%}_{-20\%}$	115 ±20% / $230^{+15\%}_{-20\%}$	Output Amps	Adj.	Range
C 2660	C 2680	C 2690	100 [2]	5	4.5– 5.5
C 2661	C 2681	C 2691	75	9	8– 10
C 2662	C 2682	C 2692	60	12	11– 13
C 2663	C 2683	C 2693	50	15	14– 16
C 2664	C 2684	C 2694	30	24	23– 26
C 2665	C 2685	C 2695	27	28	26– 30
C 2669	C 2689	C 2699	15	48	45– 55
C 2666	C 2686	C 2696	12	60	58– 68
C 2667	C 2687	C 2697	6.5	110	100– 130
C 2668	C 2688	C 2698	3.2	220	200– 250

Battery Chargers

AC in — DC out, Battery

► 800 W					
Input VAC, 1-Phase				Output VDC	
115 ±20%	$230^{+15\%}_{-20\%}$	115 ±20% / $230^{+15\%}_{-20\%}$	Output Amps	Nom. Battery Voltage	Range
B 2661	B 2681	B 2691	50	12	12– 16
B 2662	B 2682	B 2692	25	24	24– 32
B 2664	B 2684	B 2694	13	48	48– 64
B 2666	B 2686	B 2696	10	60	60– 80
B 2667	B 2687	B 2697	6	110	110– 145
B 2668	B 2688	B 2698	3	220	220– 290

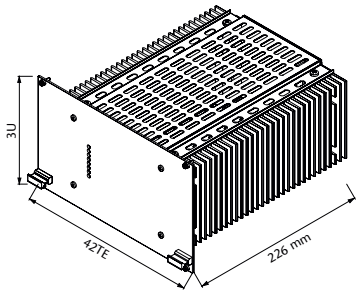
Assistance in table use:

1. Select the column for input voltage range.
2. Select the row for the appropriate output voltage.
3. The intersection of both results in the module required.

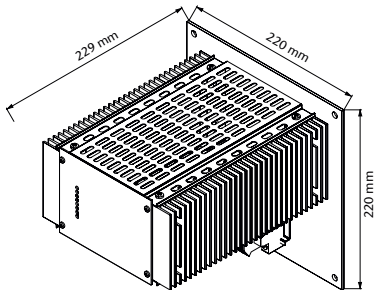
For example:

1. input voltage = 115 VAC
2. output voltage = 220 VDC @ 3.2 A
3. results in a C 2668 module.

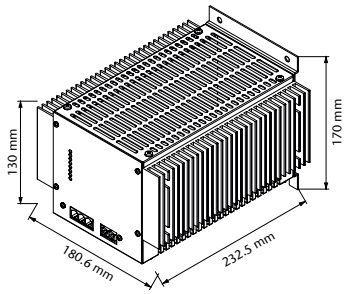
[1] input supply from PFC also suitable
[2] external fan recommended



Eurocassette / approx. 4.0 kg
(pluggable module for 19“ sub-rack)



Wall mount / approx. 6.0 kg



NEW

Chassis mount / approx. 4.6 kg

Specifications

Input

Voltage range	see table, unit switches off at under- and overvoltage
No-load input power	5 - 6 W
Switch-on time	500 ms typical
Inrush current	AC input: limited by thermistor
Hold-up time	AC input: 10 ms typical

Immunity

- ESD	acc. to DIN / EN 61000-4-2 level 3
- Fast transients	acc. to DIN / EN 61000-4-4 level 3
- Surges	acc. to DIN / EN 61000-4-5 level 3

Output

Line regulation (±10 %)	0.1 %
Load regulation (10 - 90 %)	0.2 %
Load transient (10-90-10 %)	6 % typical
Response time to ±1 %	2 - 3 ms
Turn-on rise time	Soft-start, 100 ms typical
Ripple	≤ 1 % + 30 mV_{p-p}
Overload protection	current limited to 105 - 110 % of I_{nom}
Overvoltage protection	OVP switches off module with automatic return to operation
Remote sense	standard for C series, up to 10 % of U_{nom} for output < 60 VDC, up to 6 V for output > 60 VDC

General

Efficiency	70 - 92 %
Operating temperature	–20 to +75 °C
Load derating	2.5 % / °C from +55 °C
Storage temperature	–40 to +85 °C
Humidity	up to 95 % RH, non-condensing
Cooling	natural convection
Temperature coefficient	0.02 % / °C typical
Safety / Construction	acc. to DIN / EN 60950-1: 2003
Protection category	IP 20, others or NEMA upon request
EMI	acc. to EN 55022, class A, optionally class B
MTBF	approx. 120,000 h @ 40°C acc. to MIL - HDBK - 217 E (notice 1)
Connector for eurocassette - std. design	H 15
Marking	CE

Options

Input
- Inrush current limiting for DC input
- Reverse polarity protection for DC input
- Autoranging for 115 / 230 VAC input

Output
- Parallel operation
- Redundant operation
- Inhibit (remote on / off)

Signals
via open collector or relay contacts
- Power ok (input)
- DC ok (output)
- Sys-reset

Programming
- Output voltage or current via
  - potentiometer
  - analog signal
  - interface card RS232 or IEEE488 (external)

Battery charger
- Temperature compensated charging voltage
- Automatic / manual selection of charging characteristic (external)

Monitoring
- Input / output voltage or current via
  - analog signal
  - interface card RS232 or IEEE488 (external)

Mechanics / environment:
- 19” sub-rack for eurocassette
- Wall mount
- Chassis mount
- Increased mechanical strength
- Tropical protection
- Extended temperature range to –40 °C