

Stabilised switched mode power supplies

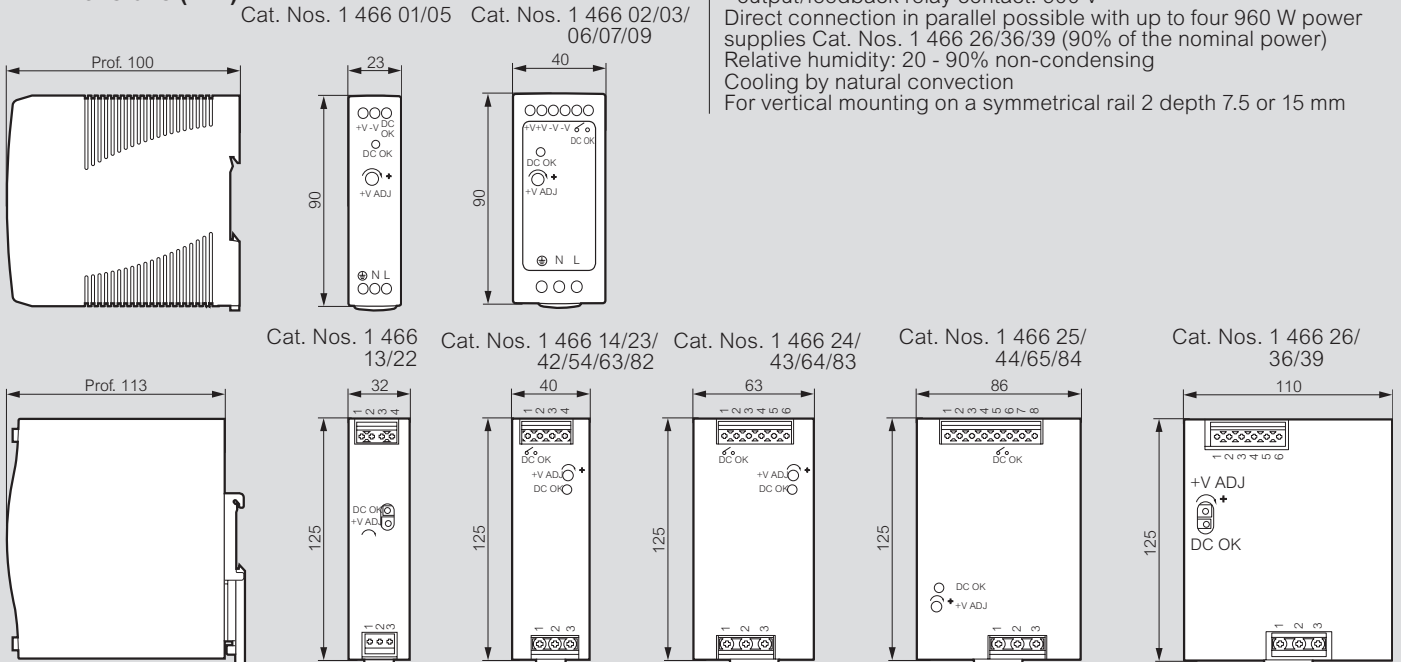
single-phase, single/two-phase and three-phase

Characteristics

AC (47 to 63 Hz) or DC input voltage
 Adjustable 12 V=, 24 V= or 48 V= output voltage
 Conforming to standards:
 - IEC EN 62368-1
 - UL 508 (CAN/CSA C22.2 No. 14-M91)
 - EN 55022 class B
 - EN 55023
 - EN 55032
 - EN 61000-4-2, 3, 4, 5, 6, 8, 11 and EN 61000-3-2, -3
 - EN 61204-3
 Input at the bottom and output at the top
 Double operating terminal (single for 20 W - 24 W - 120 W, triple for 960 W)
 Output voltage variation: + 1%

Output voltage variation/variations of the network: + 1%
 Output voltage variation/variations in the load: + 1%
 Power Factor Correction (PFC) limiting harmonic pollution on the network
 Feedback function:
 - Cat. Nos 1 466 01, signal 9 - 13.5 V= 40 mA
 - Cat. Nos 1 466 05, signal 18 - 27 V= 20 mA
 - Cat. Nos. 1 466 13/22, function not present
 - other catalogue numbers, relay contact 30 V= 1 A
 Protection class I
 Overvoltage category II, pollution degree 2
 Insulation voltage:
 - input/output: 3000 V min
 - input/earth: 1500 V min
 - output/earth: 500 V
 - output/feedback relay contact: 500 V
 Direct connection in parallel possible with up to four 960 W power supplies Cat. Nos. 1 466 26/36/39 (90% of the nominal power)
 Relative humidity: 20 - 90% non-condensing
 Cooling by natural convection
 For vertical mounting on a symmetrical rail 2 depth 7.5 or 15 mm

Dimensions (mm)



Cat. Nos	Output					Input				Efficiency (%)	Starting time at Pn (s)	Holding time at Pn (ms)	Operating temperatures w/o derating (°C) ⁽⁶⁾	Derating MAX temperature and coefficient ⁽⁵⁾		Depth (mm)	Weight (kg)
	Voltage (V)	Nominal (A)	Nominal power (Pn in W)	Peak power (3 s) (W)	Flexible copper conductor size (mm ²)	Voltage Min - Max		Current consumption (A)	Flexible copper conductor size (mm ²)					°C	W/°C		
						(V~)	(V=)										
1 466 01	12	1.67	20	-	2.5	85 - 264	120 - 370	0.55/0.35 ⁽²⁾	2.5	80	1.03/0.53 ⁽²⁾	20/50 ⁽²⁾	-20 to +50	+70	0.55	100	0.19
1 466 02	12	3.33	40	-	2.5	85 - 264	120 - 370	1.1/0.7 ⁽²⁾	2.5	86	0.53/0.53 ⁽²⁾	20/50 ⁽²⁾	-20 to +60	+70	1.6	100	0.3
1 466 03	12	5	60	-	2.5	85 - 264	120 - 370	1.8/1 ⁽²⁾	2.5	86	0.53/0.53 ⁽²⁾	20/50 ⁽²⁾	-20 to +55	+70	1.6	100	0.33
1 466 05	24	1	24	-	2.5	85 - 264	120 - 370	0.55/0.35 ⁽²⁾	2.5	84	1.03/0.53 ⁽²⁾	20/50 ⁽²⁾	-20 to +50	+70	0.65	100	0.19
1 466 06	24	1.7	40	-	2.5	85 - 264	120 - 370	1.1/0.7 ⁽²⁾	2.5	88	0.53/0.53 ⁽²⁾	20/50 ⁽²⁾	-20 to +60	+70	1.6	100	0.3
1 466 07	24	2.5	60	-	2.5	85 - 264	120 - 370	1.8/1 ⁽²⁾	2.5	88	0.53/0.53 ⁽²⁾	20/50 ⁽²⁾	-20 to +55	+70	1.6	100	0.33
1 466 09	48	1.25	60	-	2.5	85 - 264	120 - 370	1.8/1 ⁽²⁾	2.5	87	0.53/0.53 ⁽²⁾	20/50 ⁽²⁾	-20 to +55	+70	1.6	100	0.33
1 466 13	12	6.3	75	112.5	2.5	88 - 264	124 - 370	1.4/0.85 ⁽²⁾	2.5	88.5	3.06/1.56 ⁽²⁾	20/80 ⁽²⁾	-25 to +55	+70	1.27	102	0.51
1 466 14	12	10	120	180	4	88 - 264	124 - 370	1.4/0.7 ⁽²⁾	4	89	3.06/1.56 ⁽²⁾	20/20 ⁽²⁾	-25 to +55	+70	2	114	0.67
1 466 22	24	3.2	75	112.5	2.5	88 - 264	124 - 370	1.4/0.85 ⁽²⁾	2.5	89	3.06/1.56 ⁽²⁾	20/80 ⁽²⁾	-25 to +60	+70	1.9	102	0.51
1 466 23	24	5	120	180	4	88 - 264	124 - 370	1.4/0.7 ⁽²⁾	4	91	3.06/1.56 ⁽²⁾	20/20 ⁽²⁾	-25 to +60	+70	3	114	0.67
1 466 24	24	10	240	360	4	88 - 264	124 - 370	2.6/1.3 ⁽²⁾	4	94	3.06/1.56 ⁽²⁾	20/20 ⁽²⁾	-25 to +60	+70	6	114	1.03
1 466 25	24	20	480	720	4	88 - 264	124 - 370	5/2.5 ⁽²⁾	4	94	3.15/1.65 ⁽²⁾	14/14 ⁽²⁾	-25 to +60	+70	9.6	129	1.6
1 466 26	24	40	960	1248	4	180 - 264	254 - 370	6 (230 V~)	4	94	1.1 (230 V~)	14 (230 V~)	-30 to +50	+70	19.2	150	2.47
1 466 42	48	2.5	120	180	4	88 - 264	124 - 370	1.4/0.7 ⁽²⁾	4	90.5	3.06/1.56 ⁽²⁾	20/20 ⁽²⁾	-25 to +60	+70	3	114	0.67
1 466 43	48	5	240	360	4	88 - 264	124 - 370	2.6/1.3 ⁽²⁾	4	94	3.06/1.56 ⁽²⁾	20/20 ⁽²⁾	-25 to +60	+70	6	114	1.03
1 466 44	48	10	480	720	4	88 - 264	124 - 370	5/2.5 ⁽²⁾	4	94	3.15/1.65 ⁽²⁾	14/14 ⁽²⁾	-25 to +60	+70	9.6	129	1.6
1 466 54	12	10	120	-	4	180 - 550	254 - 780	1.2/0.55 ⁽³⁾	4	89.5	2.07/2.07 ⁽³⁾	10/50 ⁽³⁾	-25 to +50	+60	4.8	114	0.65
1 466 63	24	5	120	-	4	180 - 550	254 - 780	1.2/0.55 ⁽³⁾	4	91	2.07/2.07 ⁽³⁾	10/50 ⁽³⁾	-25 to +60	+70	4.8	114	0.65
1 466 64	24	10	240	-	4	180 - 550	254 - 780	2/1 ⁽³⁾	4	91	1.65/0.95 ⁽³⁾	18/18 ⁽³⁾	-30 to +50	+70	4.8	114	1.06
1 466 65	24	20	480	-	4	180 - 550	254 - 780	4/1.6 ⁽³⁾	4	92	2.15/0.95 ⁽³⁾	16/18 ⁽³⁾	-30 to +50	+70	9.6	129	1.7
1 466 82	48	2.5	120	-	4	180 - 550	254 - 780	1.2/0.55 ⁽³⁾	4	92	2.07/2.07 ⁽³⁾	10/50 ⁽³⁾	-25 to +60	+70	4.8	114	0.65
1 466 83	48	5	240	-	4	180 - 550	254 - 780	2/1 ⁽³⁾	4	91	1.65/0.95 ⁽³⁾	18/18 ⁽³⁾	-30 to +50	+70	4.8	114	1.06
1 466 84	48	10	480	-	4	180 - 550	254 - 780	4/1.6 ⁽³⁾	4	92	2.15/0.95 ⁽³⁾	16/18 ⁽³⁾	-30 to +50	+70	9.6	129	1.7
1 466 36	24	40	960 ⁽¹⁾	-	4	340 - 550	480 - 780	2/1.4 ⁽⁴⁾	4	94	1.1/0.9 ⁽⁴⁾	12/14 ⁽⁴⁾	-30 to +50	+70	19.2	150	2.47
1 466 39	48	20	960 ⁽¹⁾	-	4	340 - 550	480 - 780	2/1.4 ⁽⁴⁾	4	94.5	1.1/0.9 ⁽⁴⁾	12/14 ⁽⁴⁾	-30 to +50	+70	19.2	150	2.47

1: 80% of the nominal power in the event of power supply on 2 phases
 2: 115 V~/230 V~
 3: 230 V~/400 V~
 4: 400 V~/500 V~
 5: Example: power for Cat. Nos 1 466 24 at an ambient temperature of 65°C: 240 - (5 x 6) = 210 W