

## Sinergy III Series Battery Cabinet 2000 VA High / Low Voltage

Model Part Number	E048-12 17888-04R
Type	Sinergy III
Compatible UPS	ACDEF2000-11 / ACDEF2000-22
Voltage (Nominal)	48.0 VDC
Battery Type	12V Flame Retardant Sealed Lead-Acid
Battery Quantity	4 x 2 Strings
Recharge Time	24 Hours (Single Battery Cabinet, 1A Charger)
Length	17.25 in / 438 mm
Height	3.39 in / 86 mm
Depth	20.20 in / 513 mm
Unit Weight	65.0 lbs. / 29.5 kg.
Shipping Weight	75.5 lbs. / 34.3 kg.
Safety Agencies	UL1778 cUL to CSA22.2 No. 107.1

### ACDEF2000-11 Typical run times with external battery cabinets

Percent Capacity	Watts	Number of Battery Cabinets				
		Internal	INT+1 EXT	INT+2 EXT	INT+3 EXT	INT+4 EXT
Runtimes are expressed in minutes Typical runtimes based on fully charged, new batteries, operating under typical load conditions Times estimated assuming a switch mode power supply Runtimes are affected by battery age, ambient temperature, site specific usage patterns and load conditions						
0	0	517	> 16 hrs	> 16 hrs	> 16 hrs	> 16 hrs
10	140	70	309	615	> 16 hrs	> 16 hrs
20	280	32	143	284	447	627
30	420	20	88	175	275	385
40	560	14	61	122	192	270
50	700	10	46	92	145	203
60	840	8.4	37	73	115	161
70	980	6.9	30	60	94	132
80	1120	5.8	25	50	79	111
90	1260	4.9	22	43	68	95
100	1400	4.3	19	38	59	83

### ACDEF2000-22 Typical run times with external battery cabinets

Percent Capacity	Watts	Number of Battery Cabinets				
		Internal	INT+1 EXT	INT+2 EXT	INT+3 EXT	INT+4 EXT
Runtimes are expressed in minutes Typical runtimes based on fully charged, new batteries, operating under typical load conditions Times estimated assuming a switch mode power supply Runtimes are affected by battery age, ambient temperature, site specific usage patterns and load conditions						
0	0	517	> 16 hrs	> 16 hrs	> 16 hrs	> 16 hrs
10	160	60	267	532	836	> 16 hrs
20	320	27	121	242	380	533
30	480	16	74	147	232	325
40	640	11	52	103	162	227
50	800	8.9	39	77	122	171
60	960	7.0	31	61	96	135
70	1120	5.7	25	50	79	111
80	1280	4.8	21	42	66	93
90	1440	4.1	18	36	57	80
100	1600	3.6	16	31	49	69

**Warranty/Support:** Sinergy III Series products (hereafter referred to as "Product") are warranted to be free from defects in material and workmanship for **two (2) years** from date of shipment from POWERVAR, on the chassis & electronic components and **two (2) years** from date of shipment from POWERVAR on the batteries. This warranty is limited to repairing, replacing, or refurbishing, at POWERVAR's option, any defective component, circuit board or module within the Product. This warranty will include, at POWERVAR's sole discretion, on-site service or POWERVAR depot service. See the Limitations of Warranty section below for additional limitations & exclusions.

**Battery Life Disclaimer:** POWERVAR's standard battery warranty applies only to UPS and UPM products which are continuously connected to AC mains power, except during utility power outages. Products which are regularly and intentionally disconnected from AC mains power will experience battery discharge/charge cycles potentially far more numerous than those for which the battery was designed. As a result, products used in such applications will experience substantially reduced battery life. For that reason, POWERVAR's standard battery warranty does not apply for applications in which the UPS or UPM product is regularly and intentionally disconnected from AC mains power. POWERVAR UPS and UPM products used in such applications shall receive a 90 day warranty on batteries.

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