

BENEFITS

A compact power pack thanks to its integrated batteries. This reduces the footprint to fit most premises. No need for additional battery storage solutions.

Natural convection cooling with no moving parts. This reduces the need for maintenance and increases the reliability of your installation.

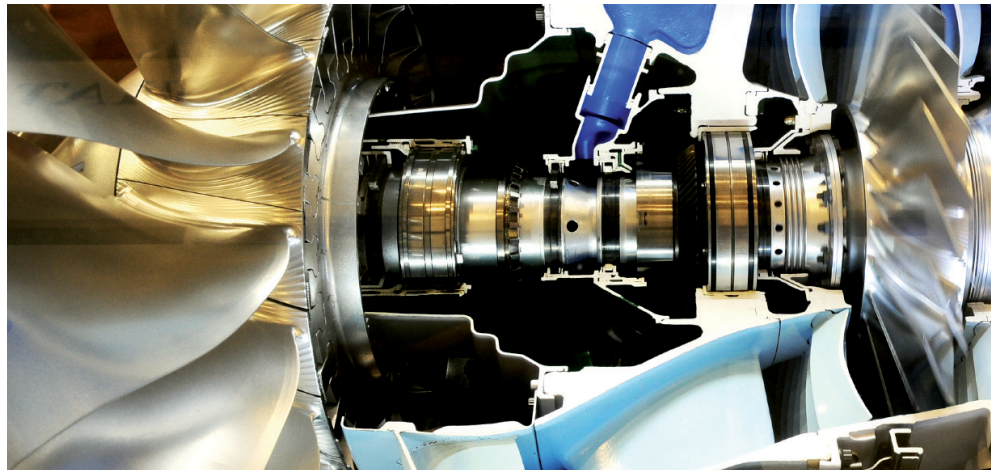
Battery cut-off function at the end of the runtime to protect the battery from deep discharge.

Battery current limitation for longer battery life.

Automatic monitoring of the battery through periodic testing. A regular battery condition check with an operator alert when the fault threshold is exceeded ensures that the battery is kept in ideal operating condition.

Chloride® Poweris is an industrial power supply unit that provides a DC voltage backup to power 12, 24 or 48 Vdc systems such as undervoltage coils, PLCs or access control systems.

Thanks to the numerous options available, the Chloride® Poweris range can be adapted to all your needs in order to guarantee the continuity of operation and safety of your installations.



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Integrated power factor correction to reduce upstream grid disturbances.

Microprocessor-controlled high-frequency switching technology provides low voltage ripple to optimise battery and operating life.

Fuse protection on output and battery line.

IP31 protection rating to suit industrial environments.

Chloride® Poweris is powered by 230 Vac single-phase. This power pack delivers a voltage of 12, 24 or 48 Vdc for a current ranging from 2.5 to 30 A and battery capacities from 7 to 80 Ah depending on the voltage and the desired autonomy. Thanks to the integrated supervision and fault LEDs, the system status can be monitored continuously. It is also possible to adjust the battery charging current to reduce the charging time or to free up power for use. Dry contacts also allow alerts to be remotely monitored.



Reference	Voltage		Charger rating (A)	Battery capacity (Ah)	Output Power (W)						
	Input (Vac)	Output (Vdc)			Sector	30'	1h	2h	4h	8h	12h
Poweris 330 12 05 07 (1)	230	12	5	07	52	-	48	27	16	9	-
Poweris 330 12 05 14 (1)			5	14	43	-	-	54	32	18	13
Poweris 445 12 05 24			5	24	31	-	-	-	64	34	22
Poweris 445 12 05 40			5	40	12	-	-	-	-	63	39
Poweris 445 12 05 48			5	48	2	-	-	-	-	67	44
Poweris 445 12 10 07			10	07	112	80	48	27	16	9	-
Poweris 445 12 10 14			10	14	103	-	98	54	32	18	13
Poweris 445 12 10 24			10	24	91	-	-	126	64	34	22
Poweris 445 12 10 40			1	40	72	-	-	-	94	63	39
Poweris 445 12 10 48			10	48	62	-	-	-	128	67	44
Poweris 445 12 10 80			10	80	24	-	-	-	-	126	78
Poweris 445 12 20 14			20	14	223	160	98	54	32	18	13
Poweris 445 12 20 24			20	24	211	-	208	126	64	34	22
Poweris 445 12 20 40			20	40	192	-	-	176	94	63	39
Poweris 445 12 20 48			20	48	180	-	-	252	128	67	44
Poweris 645 12 20 80			20	80	144	-	-	-	188	126	78
Poweris 645 12 30 24			30	24	331	360	208	126	64	34	22
Poweris 645 12 30 40			30	40	312	579	322	179	94	63	39
Poweris 645 12 30 48			30	48	302	-	416	252	128	67	44
Poweris 645 12 30 80			30	80	264	-	-	352	188	126	78

(1) Size 445 if coupling diode and/or distribution and/or heating element options are requested: size 330 only available without option or with key lock and display

(2) Size 645 if display and/or dispensing options requested: size 445 only available without option, key lock and/or coupling diode

* permanent power output including battery recharge (@10h): $I_{dc} = I_{charger} - I_{recharge\ battery}$



Reference	Voltage		Load Current (A)	Battery Capacity (Ah)	Output Power (W)						
	Input (Vac)	Output (Vdc)			Main	30'	1h	2h	4h	8h	12h
Poweris 330 24 05 07 (1)	230	24	5	07	103	-	96	54	32	18	-
Poweris 445 24 05 14		24	5	14	86	-	-	108	78	36	26
Poweris 445 24 05 24		24	5	24	62	-	-	-	128	67	44
Poweris 445 24 05 40		24	5	40	5	-	-	-	-	126	78
Poweris 445 24 05 48 (2)		24	5	48	223	-	-	-	-	-	88
Poweris 445 24 10 07		24	10	07	203	160	96	54	32	18	-
Poweris 445 24 10 14		24	10	14	206	320	192	108	64	36	26
Poweris 445 24 10 24		24	10	24	182	-	-	252	128	67	44
Poweris 445 24 10 40		24	10	40	144	-	-	-	188	126	78
Poweris 645 24 10 48		24	10	48	125	-	-	-	256	164	88
Poweris 445 24 20 14		24	2	14	446	320	192	108	64	36	26
Poweris 445 24 20 24		24	20	24	422	720	416	252	128	67	44
Poweris 645 24 20 40		24	20	40	382	-	644	352	188	126	78
Poweris 445 24 20 48 (2)		24	20	48	365	-	-	504	256	134	88
Poweris 645 24 30 24		24	30	24	662	720	416	252	128	67	44
Poweris 645P 24 30 40		24	30	40	624	1158	644	352	188	126	78
Poweris 645P 24 30 48		24	30	48	605	1440	832	504	256	134	88
Poweris 445 48 2.5 07		48	2.5	07	86	-	192	108	64	36	26
Poweris 445 48 2.5 14		48	2.5	14	53	-	-	-	128	72	52
Poweris 645 48 2.5 24		48	2.5	24	5	-	-	-	256	134	88
Poweris 445 48 05 07		48	5	07	206	320	192	108	64	36	-
Poweris 445 48 05 14		48	5	14	173	-	-	216	128	72	52
Poweris 645 48 05 24		48	5	24	125	-	-	-	256	134	88
Poweris 445 48 10 07		48	10	07	446	320	192	108	64	36	-
Poweris 445 48 10 14		48	10	14	413	640	384	216	128	72	52
Poweris 645 48 10 24		48	10	24	365	-	-	504	256	134	88
Poweris 645 48 15 14		48	15	14	653	640	384	216	128	72	52
Poweris 645P 48 15 24		48	15	24	605	1140	832	504	256	134	88

(1) size 330 only without option or with the option S. Size 445 for all other options..

(2) size 445 only without option or with the option S or D. Size 645 for all other options.

*output power available including charging of battery (@10h) : $I_{dc} = I_{chargeur} - I_{battery's\ charge}$

Wall-Box	Dimensions HWD (mm)	IP	RAL	Storage Temperature	Operating Temperature	Type of Pose
CF 330	300 x 333 x 203	IP31	7035	-5°C à +45°C	0°C à +40°C	Mural
CF 445	450 x 497 x 253					
CF 645	600 x 497 x 253					
CF 645P	686 x 497 x 253					

Code	Designation
5220213761	Base for cabinet CF 445 et CF 645(P)

Options	
Battery test: B	This test verifies that the battery is able to supply the load and that the fuses for the battery branch are not blown. It is operated automatically and cyclically repeated. It is especially recommended when you want to make sure the battery can handle the load after a long idling period.
Distribution: F or J	You can individually protect several units connected to the POWERIS DC pack, thank to this option that fit on to the chassis or inside the cubicle. This option saves you an additional DC switchboard and guaranties you appropriate selectivity of protections. When a connected unit fails, protection isolates the defective unit and maintains power on others. Not available on size 330. Option F: Fuses / Option J: circuit breakers.
Coupling diode: D	You can parallel two POWERIS either to insure redundancy between power supplies or to increase the output power. Select this option whenever you need a higher level of reliability or when the power you need exceeds the available choice in table.
Numerical display: V1 or V2	This display is installed on the front door of wall-mounting enclosure or can be installed on front panel of cabinet. It allows clear reading of the output voltage and current as well as the battery temperature. 3 LED give a quick view of the power supply status. In case of default, the display provides a default code to ease diagnosis. V2 is on the cabinet / V1 is supply separately.
Wall-box: C	Basic version on a chassis ready for fitting in a cabinet. Optional IP31 wall-box with latch-closing (lock and key system as an optional extra).
Key type 455 : S	In option, the Wall-box IP31 may have key-lock type 455 to lock acces at unauthorized personel.
Heating resistor : RC	The heating resistor is used to prevent condensation inside the equipment mainly during periods of storage or prolonged shutdown.

Standards	
Compliance	LV n°2006/95/CE - NF EN 60439-1
	EMC n°2004/108/CE - NF EN 61000-6-2: NF EN 61000-6-4
	Transformers complies to NF EN 61558-2-6 - NF EN 61558-2-17



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