

POWER PACK - Capacitor Back-up



Application:

The Power Pack is used to supply DC auxiliary supply to Trip / Close coil of the Circuit breakers when AC input is not available. These are used as a power source for VCB panels in sub-stations where station battery supply is not available.

Function:

BPS Power Packs has three sections,

a) During Mains ON:

During Mains on, Transformer/ rectifier type DC source is terminated to power aux. supply to annunciator, indicating lamps, instruments. During mains on capacitors also charged to store DC energy which is can be used to activate trip / shunt trip coil of VCB panel.

b) Capacitor based DC source:

During Mains Off condition, stored energy in the capacitor is terminated to activate trip / shunt coil.

There are two set of outputs. One output is for stored energy and other is for non-stored. Stored output can be used when AC input off. Non-Stored output is available as long as AC input is present.



Technical Specifications:

- Input : 230 V AC 1 Ph. / 110 V AC 3 Ph.
- Input current : Less than 50 VA + Load current during Mains on
- Output-Mains On : 110/30/24 V DC
: 100 W Continues
- Output-Mains Off : 100 W impulse 250mSec.
- Indicators : Mains On,
: Charger On,
: Back-up
- Terminals : Input RYB (for 3 Ph input)
: Input P-N-E (for 1 Ph input)
: Output + - (for Storage)
: Output + - (for Non storage)
: Discharge Push Button
: Discharge Lamp
- Protections : Mains glass fuse.

STANDARD MODLES					
MODEL NO.	INPUT		OUTPUT		
	Volt.	Ph.	V DC	Stored	Non Stored
				W Sec	Watt
BPPC1U110-W100	230	1	110	100	100
BPPC1U030-W100	230	1	30	100	100
BPPC1U024-W100	230	1	24	100	100
BPPC3U110-W100	110	3	110	100	100
BPPC3U030-W100	110	3	30	100	100
BPPC3U024-W100	110	3	24	100	100

