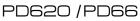


HIGH AMP POWER DISTRIBUTION

ETA's High Amperage Power Distribution is the professional system designed for power hook-up of sound and lighting equipment.







PD620 BACK



PD66 BACK

WARNING: Do not remove cover. No user serviceable parts inside. Refer servicing and hook-up to qualified individuals only.

DANGER: Due to life threatening shock hazard, hook-up of this power distribution pack must be made by qualified electricians only.

DANGER: Shock hazard, disconnect power before removing lid, or for servicing.

The PD66 and PD620 are designed for use on Three Phase (3Ø) WYE 120/ 208V 4-pole 5-wire electrical service. With the ability to operate on Single Phase (1Ø) 120/240V 3-pole 4-wire electrical service, (easily configured internally).

<u>DO NOT</u> connect high voltage leg of DELTA type systems (the higher voltage will damage sensitive equipment connected this way)—see NOTE below.

The **PD66** can provide up to 140 amps total, 40 amps on one leg, 50 amps each on remaining two legs (3Ø WYE 120/208V hook-up), **OR** *70 amps per leg (two legs) (1Ø 120/240V hook-up <internal configuration>).

The **PD620** can provide up to 120 amps total, 40 amps per leg (three legs) (3Ø WYE 120/208V hook-up), **OR** *60 amps per leg (two legs) (1Ø 120/240V hook-up <internal configuration>).

* When using Single Phase, incoming supply lines MUST be sized to accomodate 20 amps more per leg than highest per leg rating (PD66-<u>70 amps</u>, PD620-<u>60 amps</u>).

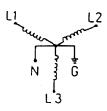
Minimum recommended AWG (American Wire Gauge) for electrical hook-up (90° C Copper Wire).

3Ø	1Ø	Position	Color
#8 AWG	#6 AWG	Ground	Green
#8 AWG	#6 AWG	Neutral	White
#8 AWG	#6 AWG	Line 1	Black
#8 AWG	#6 AWG	Line 2	Red
#8 AWG	N/C	Line 3	Blue

Follow National Electrical Code, or Local Electrical Code when sizing input electrical supply lines.

NOTE: Delta systems have one (1) leg at a higher potential (208 Volts) in reference to neutral, sometimes termed "Crazy Leg", or "High Leg" typically the orange color is reserved for designation of this line. **Do not** conect this leg into the **PD66 or PD 620.**

SERVICE (SUPPLY) CONFIGURATIONS



3Ø WYE 120/208V

L1-L2 = 208V
L2-L3 = 208V
L3-L1 = 208V
L1-N = 120V
L2-N = 120V
L3-N = 120V
Ø = PHASE symbol

3Ø DELTA 120/240V

LĨ

*L3

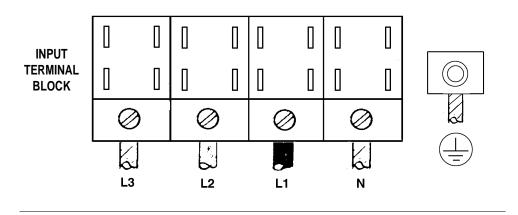
L1-L2 = 240V L2-L3 = 240V L3-L1 = 240V L1-N = 120V } L1-N-L2 = 1Ø		
L2-N = 120V J	L2-L3 = 240V L3-L1 = 240V	- L1-N-L2 = 1Ø

L2

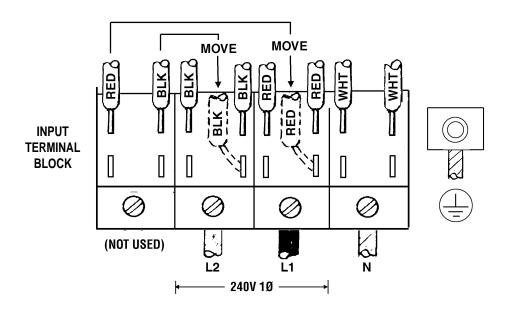
* <u>DO NOT</u> connect this leg to the PD66 <u>or</u> the

PD620

INPUT POWER CONNECTION FOR 120/208V 3-PHASE WIRING (120/208V 3Ø WYE SYSTEM)



INPUT POWER CONNECTION FOR 120/240V SINGLE PHASE WIRING (2 LEGS OF 120/240V 3Ø DELTA SYSTEM)



120/240 1Ø WIRING

- Move unit red wire from terminal block L3 terminal to L1 terminal (L1 will now contain three red wires)
- Move unit black wire from terminal block L3 terminal to L2 terminal (L2 will now contain three black wires)
- Increase supply lines gauge size to accomodate the <u>ADDITIONAL</u> 20 amps (2400 VA) on each leg

PD66 (140 Amp Total)		PD620 (120 Amp Total)		
Breaker	Outlet	Breaker	Outlet	
No. 1 20 amp	No. 1 (2) NEMA 5-20R (Duplex Receptacle)	No. 1 20 amp	No. 1 (1) NEMA 5-20R (Duplex Receptacle)	
No. 2 20 amp	No. 2 (2) NEMA 5-20R (Duplex Receptacles)	No. 2 20 amp	No. 2 (1) NEMA 5-20R (Duplex Receptacle)	
No. 3 20 amp	No. 3 (1) NEMA 5-20R (Duplex Receptacle)	No. 3 20 amp	No. 3 (1) NEMA 5-20R (Duplex Receptacle)	
No. 4 20 amp	No. 4 (1) NEMA 5-20R (Duplex Receptacle)	No. 4 20 amp	No. 4 (1) NEMA 5-20R (Duplex Receptacle)	
No. 5 30 amp	No. 5 (Internal Terminal Block) (Accepts 3/4" strain relief)	No. 5 20 amp	No. 5 (1) NEMA 5-20R (Duplex Receptacle)	
No. 6 30 amp	No. 6 (Internal Terminal Block) (Accepts 3/4" strain relief)	No. 6 20 amp	No. 6 (1) NEMA 5-20R (Duplex Receptacle)	

PD66: Outlets No. 5 and No. 6 (internal terminal blocks) access openings will accpet 3/4" strain relief(s).

ETA[®] **SYSTEMS** A Creative Light & Sound Company

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