

Power Supply for TPCs

(1) Solution

SY4527/SY5527
Crate
+
A1676A Branch
Controller
(\$1931)

EASY3000 Crate
(\$3682)
+
A3485 to power
the EASY crate
(\$8398)

A3009 (LV, 12ch)
(\$10160)
A3540 (HV, 12ch)
(\$10471)
(A3512 (VHV, 6ch))
(\$11093)

Minimum
Total Cost

\$51,984
(except VHV)

(2) Solution

SY4527/SY5527
Crate
(\$8220/7182)

A1517B (LV, 8ch)
(\$7102)
A1550 (HV)
(24ch:\$6995/12ch:4618)
A1526 (VHV, 6ch)
(\$7301)

Minimum
Total Cost

\$26,004
(except VHV)

(3) Solution

Mpod Mini
(\$5809/4643)

8008 (LV, 8ch)
(\$3554)
8640 (HV, 8ch, 4kV)
(\$4263)

Minimum
Total Cost

\$16,014

(4) Solution

In the other solutions
use NIM HV supply
instead of their HV.

NIM8301 Crate (12 slot)
(\$5576/6262)
N1471 (HV, 4ch)
(\$5803)
N570 (VHV, 2ch)
(\$5888)

Minimum
Total Cost

with (1) : \$58,695
with (2) : \$38,568
with (3) : \$29,619
(except VHV)

For 8 TPCs,
8 Ch. HV for GEMs (if we use voltage divider),
16 Ch. LV for chips (if we use divider for 4 chips), and
8 Ch. VHV for field cage.