

# Rebuilt $\mu$ E4: List of Power supplies

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Power supplies for the beam line magnets of the rebuilt  $\mu$ E4 (2005) are summarized in the following table. In 2013, the power supplies QSM601 – QSM608, ASR61, ASR62 and SEP61 were replaced by new PSI power supplies. The control system has been changed to EPICS during the shutdown 2013. For completeness we keep the old DAC/ADC ranges from the old control system.

device	$I_{max}$ [A]	$U_{max}$ [V]	R [ $\Omega$ ]	DAC (<2013)	ADC (<2013)	comment
WSX61a	375	200		-4095 – 4095	0 – 1.0	old PS
WSX61b	375	200		-4095 – 4095	0 – 1.0	old PS
WSX62	300	140		-4095 – 4095	0 – 1.0	old PS
ASR61	500	48	0.058	-4095 – 4095	0 – 1.0	new PS 57, 2013
QSM601	100	36	0.141	-4095 – 4095	0 – 0.5	new PS 53, 2013
QSM602	200	50	0.136	-4095 – 4095	0 – 0.5	new PS 56, 2013
QSM603	200	50	0.139	-4095 – 4095	0 – 0.5	new PS 56, 2013
ASR62	500	48	0.071	-4095 – 4095	0 – 1.0	new PS 57, 2013
QSM604	100	36	0.147	-4095 – 4095	0 – 0.5	new PS 53, 2013
QSM605	200	50	0.136	-4095 – 4095	0 – 0.5	new PS 56, 2013
QSM606	200	50	0.136	-4095 – 4095	0 – 0.5	new PS 56, 2013
ASR63	500	140		-4095 – 4095	0 – 1.0	old PS
QSM607	100	36	0.133	-4095 – 4095	0 – 0.5	new PS 53, 2013
QSM608	200	50	0.134	-4095 – 4095	0 – 0.5	new PS 56, 2013
QSM609	250	140		-4095 – 4095	0 – 1.0	old PS
QSM610	250	140		-4095 – 4095	0 – 1.0	old PS
QSM611	500	140		-4095 – 4095	0 – 1.0	old PS
QSM612	500	140		-4095 – 4095	0 – 1.0	old PS
SEP61	200	50	0.229	-4095 – 4095	0 – 0.3	new PS 56, 2013, <b>limited to 150A</b>

Table 1: WSX62 changed from 250 A to 300 A on 24-Nov-2004. SEP61 power supply limited to 150 A.