Use a resource request as follows:
qsub -I -l select=1:ncpus=8:chip_type=e5-2665:mem=24gb

You can change the chip_type to e5-2665, e5-2670v2, e5-2680v3, e5-2680v4. The memory must be 2GB or more less than the total ram.

You can get the available hardware types as follows:

cat /etc/hardware-table

PALMETTO HARDWARE TABLE Last updated: July 23 2018

PHASE
COUNT MAKE MODEL CHIP(0) CORES RAM(1) /local_scratch Interconnect GPUs PHIs SSD
0 6 HP DL580 Intel Xeon 7542 24 505 GB(2) 99 GB 1g, 10g, mx 0 0 0
0 1 HP DL980 Intel Xeon 7560 64 2 TB(2) 99 GB 1g, 10g, mx 0 0 0
0 1 HP DL560 Intel Xeon E5-4627v4 40 1.5 TB(2) 881 GB 1g, 56g, fdr, 10ge 0 0 0
0 1 Dell R830 Intel Xeon E5-4627v4 40 1.0 TB(2) 880 GB 1g, 56g, fdr, 10ge 0 0 0
0 1 HP DL560 Intel Xeon 6138G 80 1.5 TB(2) 3.6 TB 1g, 10ge 0 0 0
1 108 Dell PE1950 Intel Xeon E5345 8 12 GB 37 GB 1g, 10g, mx 0 0 0
2a 206 Dell PE1950 Intel Xeon E5410 8 12 GB 37 GB 1g, 10g, mx 0 0 0
2b 37 Dell PE1950 Intel Xeon E5410 8 16 GB 37 GB 1g, 10g, mx 0 0 0
3 227 Sun X2200 AMD Opteron 2356 8 16 GB 193 GB 1g, 10g, mx 0 0 0
4 326 IBM DX340 Intel Xeon E5410 8 16 GB 111 GB 1g, 10g, mx 0 0 0
5a 329 Sun X6250 Intel Xeon L5420 8 32 GB 31 GB 1g, 10g, mx 0 0 0
5b 9 Sun X4150 Intel Xeon E5410 8 32 GB 99 GB 1g, 10g, mx 0 0 0
6 68 HP DL165 AMD Opteron 6176 24 48 GB 193 GB 1g, 10g, mx 0 0 0
7a 42 HP SL230 Intel Xeon E5-2665 16 64 GB 240 GB 1g, 56g, fdr 0 0 0

7b 12 HP SL250s Intel Xeon E5-2665 16 64 GB 240 GB 1g, 56g, fdr 2(3) 0 0
8a 71 HP SL250s Intel Xeon E5-2665 16 64 GB 900 GB 1g, 56g, fdr 2(4) 0 300 GB(7)
8b 57 HP SL250s Intel Xeon E5-2665 16 64 GB 420 GB 1g, 56g, fdr 2(4) 0 0
8c 84 Dell PEC6220 Intel Xeon E5-2665 16 64 GB 350 GB 1g, 10ge 0 0 0
9 72 HP SL250s Intel Xeon E5-2665 16 128 GB 420 GB 1g, 56g, fdr, 10ge 2(4) 0 0
10 80 HP SL250s Intel Xeon E5-2670v2 20 128 GB 800 GB 1g, 56g, fdr, 10ge 2(4) 0 0
11a 40 HP SL250s Intel Xeon E5-2670v2 20 128 GB 800 GB 1g, 56g, fdr, 10ge 2(6) 0 0
11b 4 HP SL250s Intel Xeon E5-2670v2 20 128 GB 800 GB 1g, 56g, fdr, 10ge 0 2(8) 0
12 30 Lenovo NX360M5 Intel Xeon E5-2680v3 24 128 GB 800 GB 1g, 56g, fdr, 10ge 2(6) 0 0
13 24 Dell C4130 Intel Xeon E5-2680v3 24 128 GB 1.8 TB 1g, 56g, fdr, 10ge 2(6) 0 0
14 12 HP XL1X0R Intel Xeon E5-2680v3 24 128 GB 880 GB 1g, 56g, fdr, 10ge 2(6) 0 0
15 32 Dell C4130 Intel Xeon E5-2680v3 24 128 GB 880 GB 1g, 56g, fdr, 10ge 2(6) 0 0
16 40 Dell C4130 Intel Xeon E5-2680v4 28 128 GB 1.8 TB 1g, 56g, fdr, 10ge 2(9) 0 0
17 20 Dell C4130 Intel Xeon E5-2680v4 28 128 GB 1.8 TB 1g, 56g, fdr, 10ge 2(9) 0 0
18a 2 Dell C4140 Intel Xeon 6148G 40 372 GB 1.9 TB 1g, 56g, fdr, 40ge 4(10) 0 0
18b 65 Dell R740 Intel Xeon 6148G 40 372 GB 1.8 TB 1g, 56g, fdr, 25ge 2(11) 0 0
18c 10 Dell R740 Intel Xeon 6148G 40 748 GB 1.8 TB 1g, 56g, fdr, 25ge 2(11) 0 0

*** PBS resource requests are always lowercase ***

(0) CHIP has 3 resources: chip_manufacturer, chip_model, chip_type
(1) Leave 2 or 3GB for the operating system when requesting memory in PBS jobs
(2) Specify queue "bigmem" to access the large memory machines, only ncpus and mem are valid PBS resource requests
(3) 2 NVIDIA Tesla M2075 cards per node, use resource request "ngpus=[1|2]" and "gpu_model=m2075"

(4) 2 NVIDIA Tesla K20m cards per node, use resource request "ngpus=[1|2]" and "gpu_model=k20"
(5) 2 NVIDIA Tesla M2070-Q cards per node, use resource request "ngpus=[1|2]" and "gpu_model=m2070q"
(6) 2 NVIDIA Tesla K40m cards per node, use resource request "ngpus=[1|2]" and "gpu_model=k40"
(7) Use resource request "ssd=true" to request a chunk with SSD in location /ssd1, /ssd2, and /ssd3 (100GB max each)
(8) Use resource request "nphis=[1|2]" to request phi nodes, the model is Xeon 7120p
(9) 2 NVIDIA Tesla P100 cards per node, use resource request "ngpus=[1|2]" and "gpu_model=p100"
(10)4 NVIDIA Tesla V100 cards per node with NVLINK2, use resource request "ngpus=[1|2|3|4]" and "gpu_model=v100nv"
(11)2 NVIDIA Tesla V100 cards per node, use resource request "ngpus=[1|2]" and "gpu_model=v100"